

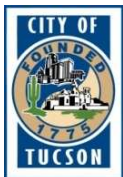


# **BROADWAY BOULEVARD**

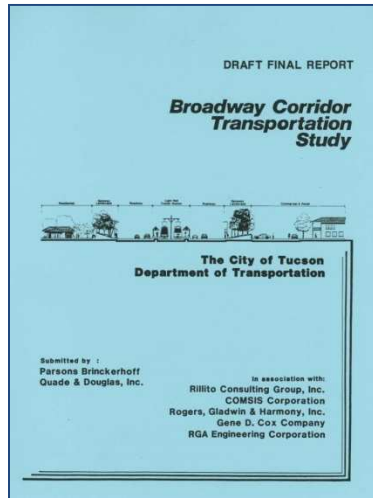
## **EUCLID to COUNTRY CLUB**

Broadway Project Overview Presentation to City of Tucson Planning Commission  
April 2, 2014

# Project Study Area

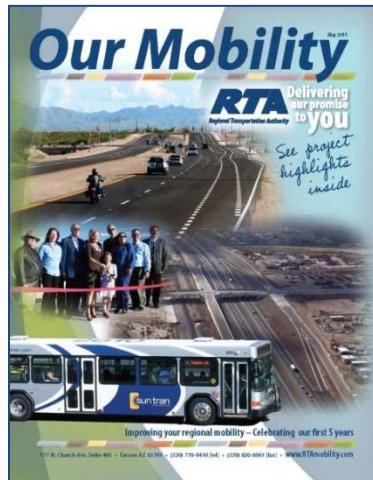


# Project Background



## 1987 Broadway Corridor Transportation Study

- Recommendations approved by Mayor & Council:
  - widen Broadway from Euclid to Camino Seco to 6 lanes plus 2 diamond lanes
  - set aside 150' future ROW all to north side of Broadway (adopted into City of Tucson's Major Streets & Routes Plan in 1989)
- 1991 Light Rail feasibility study concludes timing not right



## 1997 Pima County Transportation Bonds

- Voters approve \$25 million for DOT-56, widening Broadway to 6- or 8-lanes

## 2006 RTA Plan, Roadway Improvements

- Voters approved \$71.3 million for Project #17:
  - “widen roadway to 6-lane arterial, plus 2 dedicated bus lanes, bike lanes & sidewalks”





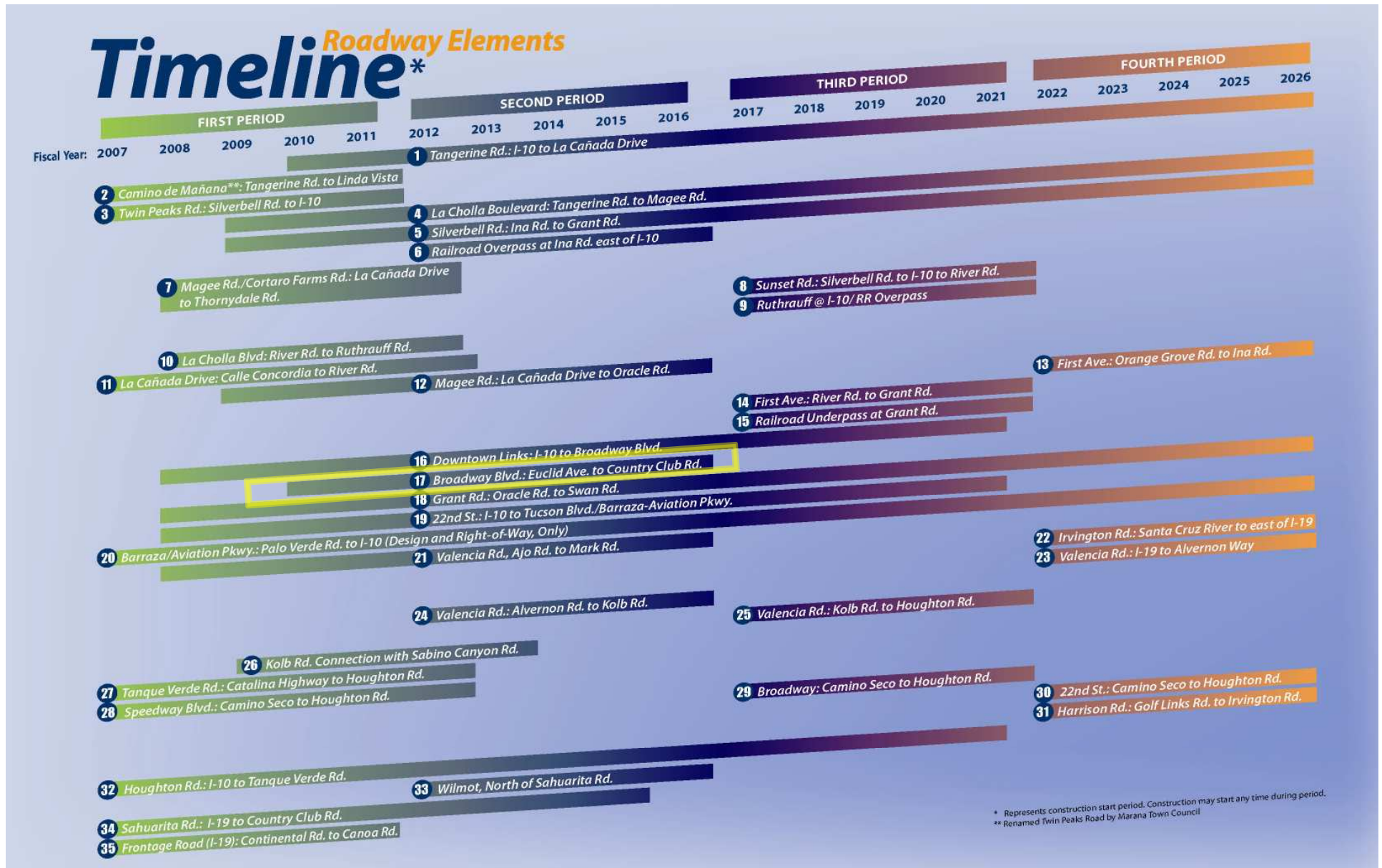
# RTA Project Budget

## FUNDING SUMMARY

Funding Sources	Amount	Source
A. RTA	59.0% \$ 42,125,000	Roadway Element
B. City of Tucson	4.2% 3,000,000	Development Impact Fees
C. Pima County	35.0% 25,000,000	1997 Transportation Bonds
D. Regional	1.7% 1,222,000	PAG Regional Funds (previously expended)
\$71,347,000		



# RTA Roadway Improvements Construction Schedule



# Broadway Project Schedule



- Monthly (or more) Citizens Task Force Meetings
- Periodic Technical Advisory Committee Meetings
- Public Meetings & Open Houses
- Regular updates/reviews by M&C, RTA Committees & Board, Pima Co.





# Broadway Citizens Task Force

STAKEHOLDER GROUP REPRESENTATION	TASK FORCE MEMBER
Neighbor Interests - NW	Colby Henley, Rincon Heights NA (Historic District)
Neighbor Interests - NE	Mary Durham-Pflibsen, Sam Hughes NA (Historic District), CTF Chairperson
Neighbor Interests - SE	Shirley Papuga, Broadmoor-Broadway Village NA
Neighbor Interests - SW	Michael J. "Jamey" Sumner, Miles NA
Business Interests - North	Anthony R. DiGrazia, <i>Rocco's Little Chicago</i>
Business Interests - North	Bruce Fairchild, <i>Bruce's Lock Shop</i> , CTF Vice Chairperson
Business Interests - South	Bob Belman, <i>Arizona Auto Refrigeration</i>
Business Interests - South	Diane Robles, <i>Child &amp; Family Resources, Inc.</i>
Citizens Transportation Advisory Committee (CTAC)	Dale Calvert
Tucson Pima County Bicycle Advisory Committee	Naomi McIsaac
Tucson Planning Commission	Joseph Maher, Jr., AIA
Special Needs	Jon Howe, Sam Hughes NA
Regional Interests (RTA appointment)	Michael Butterbrodt, <i>Inglis Florists</i>

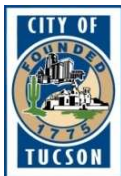
# Broadway Citizens Task Force

## Citizen Task Force Mission Statement, Approved 8/30/2012

The Broadway Boulevard CTF has been formed by Mayor and Council to work with the Project Team to evaluate and select alternatives and develop stakeholder supported recommendations regarding:

- roadway width and location of any widening to the north and/or south of the current roadway,
- roadway cross-section and back-of-curb streetscape designed for all users and modes of transportation, and
- an overarching context-sensitive street design addressing the relationship between the street and its adjacent development and uses.

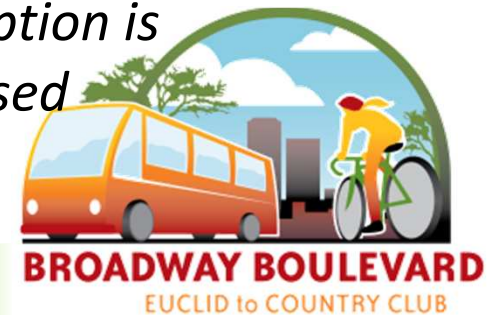
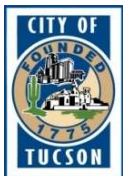
Task Force members will help provide effective communication between the neighborhoods, businesses, and stakeholders they represent and the Broadway Boulevard Project Team.





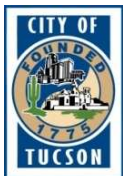
# Policy Decisions re: Broadway

- March 2012 *M&C requests **hold on acquisitions/demos***
- June 14, 2012 *RTA Board discusses **'No Diminishment of Functionality'** in relationship to modifications*
- June 19, 2012 *M&C empowered **CTF to use creative design***
- Sept. 19, 2012 *M&C directed **CTF to use U.S. EPA's 'Guide to Sustainable Transportation Perf. Measures'***
- Dec. 18, 2012 *M&C strongly encourages staff to communicate to CTF and community that **alternatives to the scope will be reviewed and can be built***
- Oct. 10, 2013 *Pima Co. clarifies that the **1997 Bond project funding is for a '6- or 8- lane' project**; an amendment to the project description is required before funding can be used*



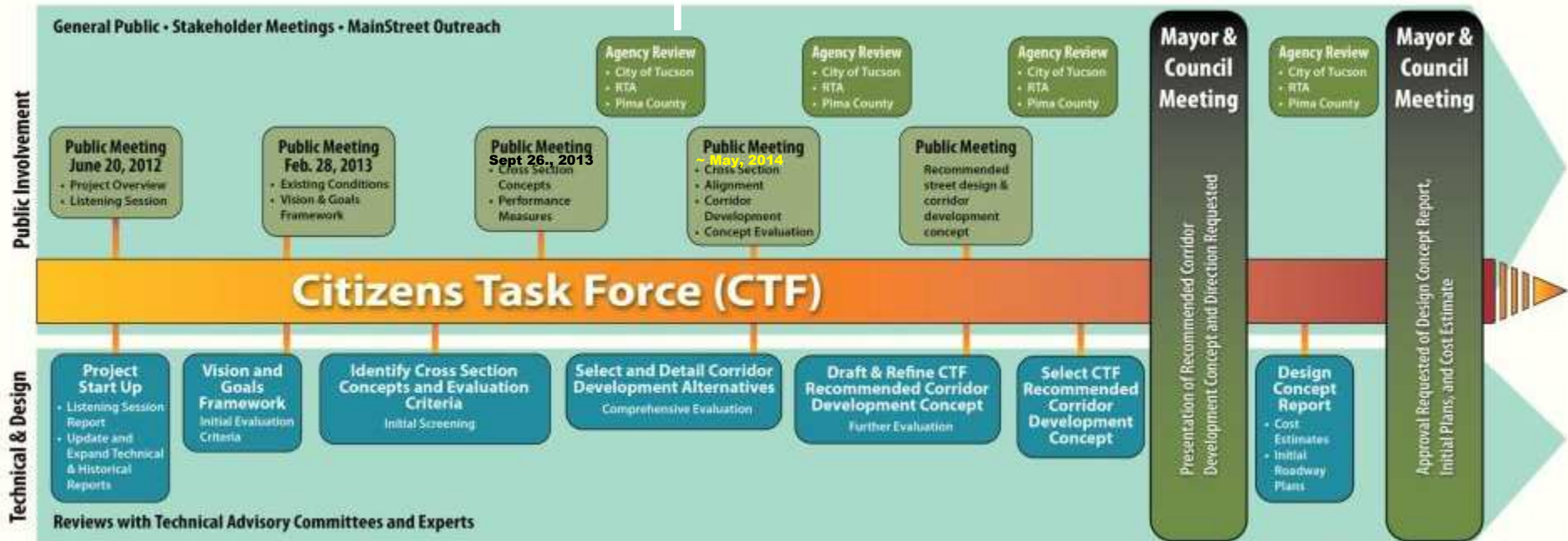
# Project Status Update

- Results of recent series of intensive meetings with the Citizens Task Force to:
  - Discuss drawings of alternatives;
  - Discuss related studies, and performance results;
  - Obtain CTF recommendations for refinements to drawings to take to Public Meeting #4; and,
  - Obtain recommendations regarding what input to seek from the public at that meeting
- Upcoming Stakeholder Agency Reviews
- Preparation for Public Meeting #4



# Broadway's Planning & Design Phase

We are  
here





# Street Types

PEDESTRIAN BIKE LANE LANE MEDIAN? LANE LANE BIKE PEDESTRIAN

**4 Lanes**

PEDESTRIAN BIKE TRANSIT LANE LANE LANE LANE TRANSIT BIKE PEDESTRIAN

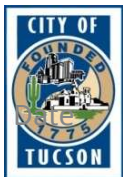
**4+2T Lanes**

PEDESTRIAN BIKE LANE LANE LANE MEDIAN? LANE LANE LANE BIKE PEDESTRIAN

**6 Lanes**

PEDESTRIAN BIKE TRANSIT LANE LANE LANE LANE LANE LANE TRANSIT BIKE PEDESTRIAN

**6+2T Lanes**



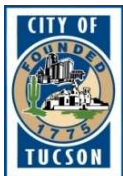
# Performance Measures Categories for Broadway

## Transportation-Specific Measures

- Pedestrian Access & Mobility
- Bicycle Access & Mobility
- Transit Access & Mobility
- Vehicular Access & Mobility
- Person Access & Mobility

## Non-Transportation Measures

- Sense of Place
- Environment/Public Health
- Economic Vitality
- Project Cost
- Certainty



# Transportation Specific and Non-Transportation Specific Performance Assessments for Initial Design Concepts

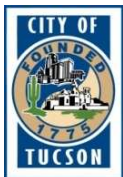
Performance Measure Categories	Detailed Performance Measures for Initial Design Phase		
Historic and Significant Buildings	6a. Historic Resources	6b. Significant Resources	
Economic Potential	8a. Change in Economic Potential	8b. Change in Business Revenue	8e. Business Impacts 8c. Change in Sales Tax Revenue   8f. Job Impacts   8d. Change in Property Tax Revenue
Visual Quality	6c. Visual Quality		
Bicycling Environment	2a. Separation of Bikes and Arterial Traffic   2d. Bike Facility Improvements   2f. Bicycle Corridor Travel Time 2b.Bike Conflicts with Crossing Vehicles   2e. Bicycle Network Connections   2g. Bike Crossings 2c. Pavement Condition		
Pedestrian Environment	1a. Functionality of Streetside for Pedestrian Activity 1b. Separation from Vehicular Traffic Driveways 1c. Pedestrian-Oriented Facilities or Improvements 1d. Walkable Network/Neighborhood Connections 1e. Pedestrian Crossings	1f. Vehicle/Pedestrian Conflicts at 1g. Universal Design 1h. Walkable Destinations 1i. Ease of Transition to Walking	
Health Benefits of Walking and Biking	7e. Health Benefits of Changes in Walking and Biking		
Traffic Movement	4a. Movement of Through Traffic During Peak Traffic Periods 4b. Intersection Delay – Overall Intersection Performance 4f. Access Management Management for Adjacent Properties	4d. Accident Potential 4e. Lane Continuity 4c. Intersection Delay – Worst Movement	
Accommodation of High Capacity Transit	3f. Accommodation of Future High Capacity Transit		
Ability of City to Maintain	10a. Ability to Provide for Changing Transportation Needs 10b. Risk of Relying on Future Development for Economic Vitality 10c. Ability of City to Operate and Maintain Improvements		
Construction and Acquisition Cost	9a. Construction Cost	9b. Acquisition Cost	9c. Operations and Maintenance Cost 9d. Income for Reuse of Excess City-owned Property
Transit Travel Time	3a. Distance to Transit Stops 3b. Transit Stop Facilities	3c. Transit Corridor Travel Time 3d. Schedule Adherence	3e. Frequency and Hours of Service 3g. Riders per Vehicle
Person Access and Mobility	5a. Person Trips for Multiple Measures		
Sense of Place	6d. Broadway as a Destination 6e. Gateway to Downtown	6f. Conduciveness to Business 6g. Walkable Community	
Environment & Public Health	7a. Greenhouse Gases 7b. Other Tailpipe Emissions	7c. Heat Island 7d. Water Harvesting	7f. Land Use Mix 7g. Affordability



# Initial Street Design Concept Drawings

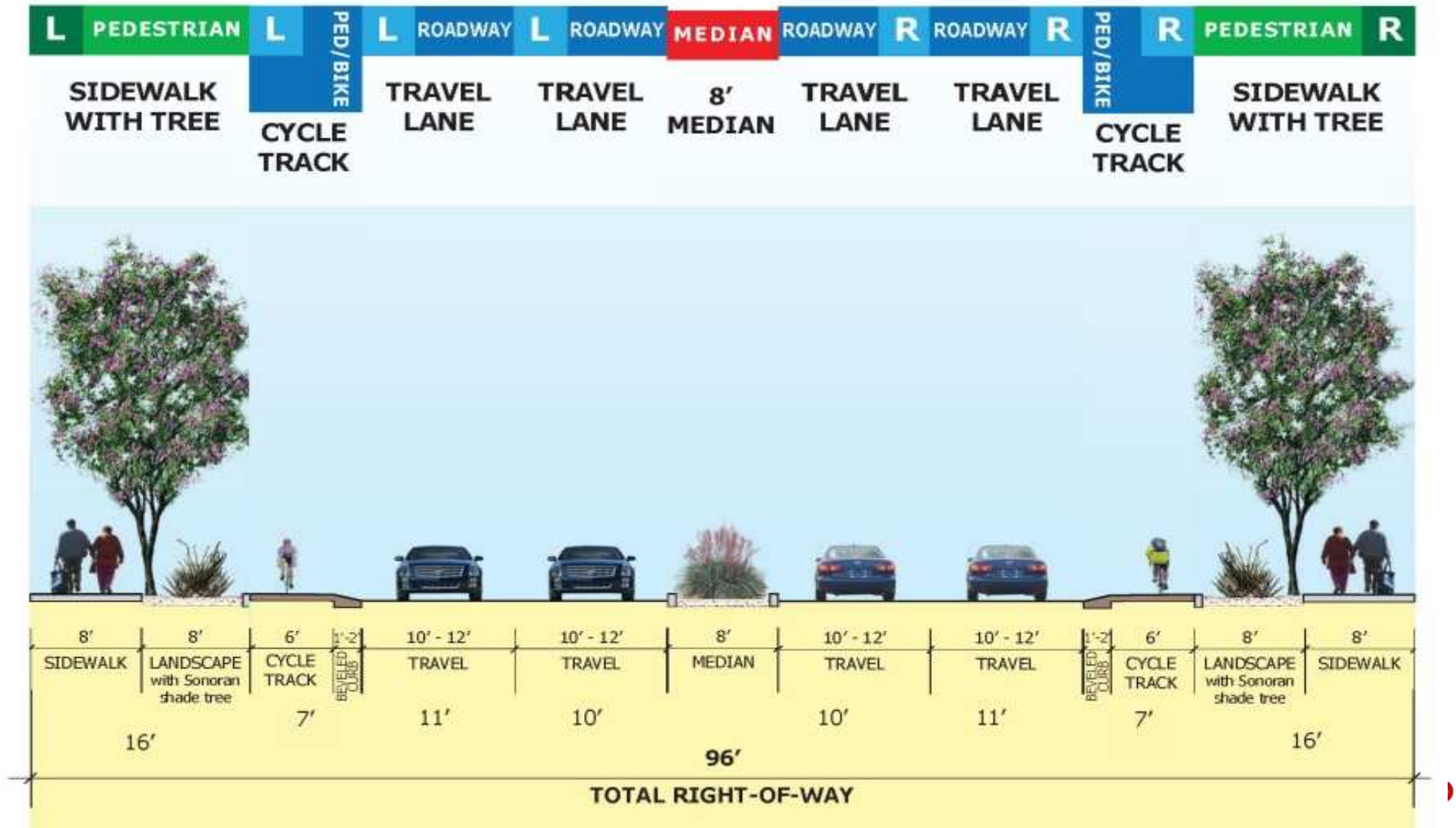
- 4-Lane Alternatives (~20' added to create rough ROW lines for 6-lane/4+2T)
  - “Minimize Direct Building Impacts”
  - “Minimize Property Impacts”
- 6+2T Lane Alternative
  - “Minimize Property Impacts”

Online at: [www.tucsonaz.gov/broadway](http://www.tucsonaz.gov/broadway)



# 4-lane Street Cross Section Alternative

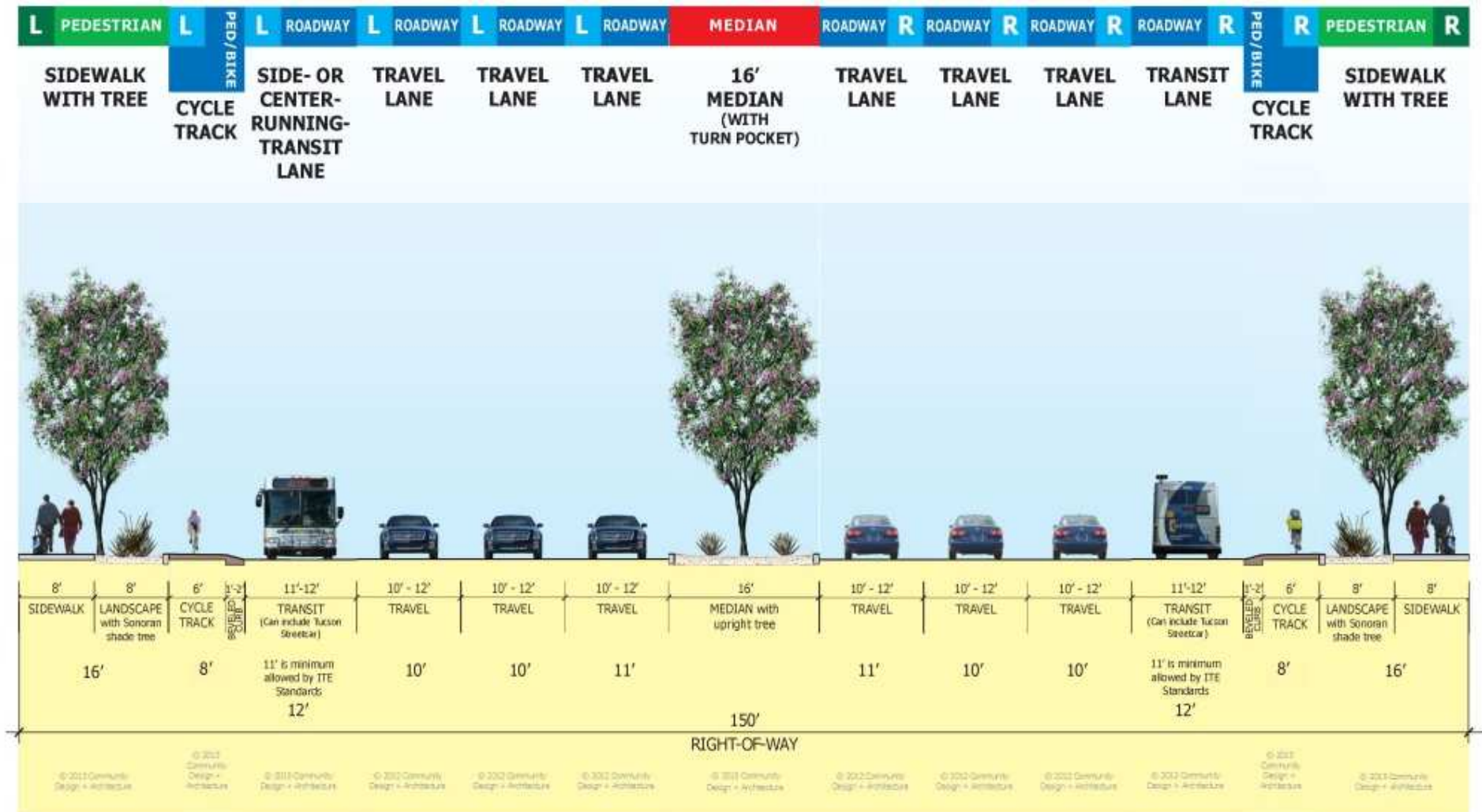
## 96' Right-of-Way



# 6 + 2 Transit Lanes Street Cross Section

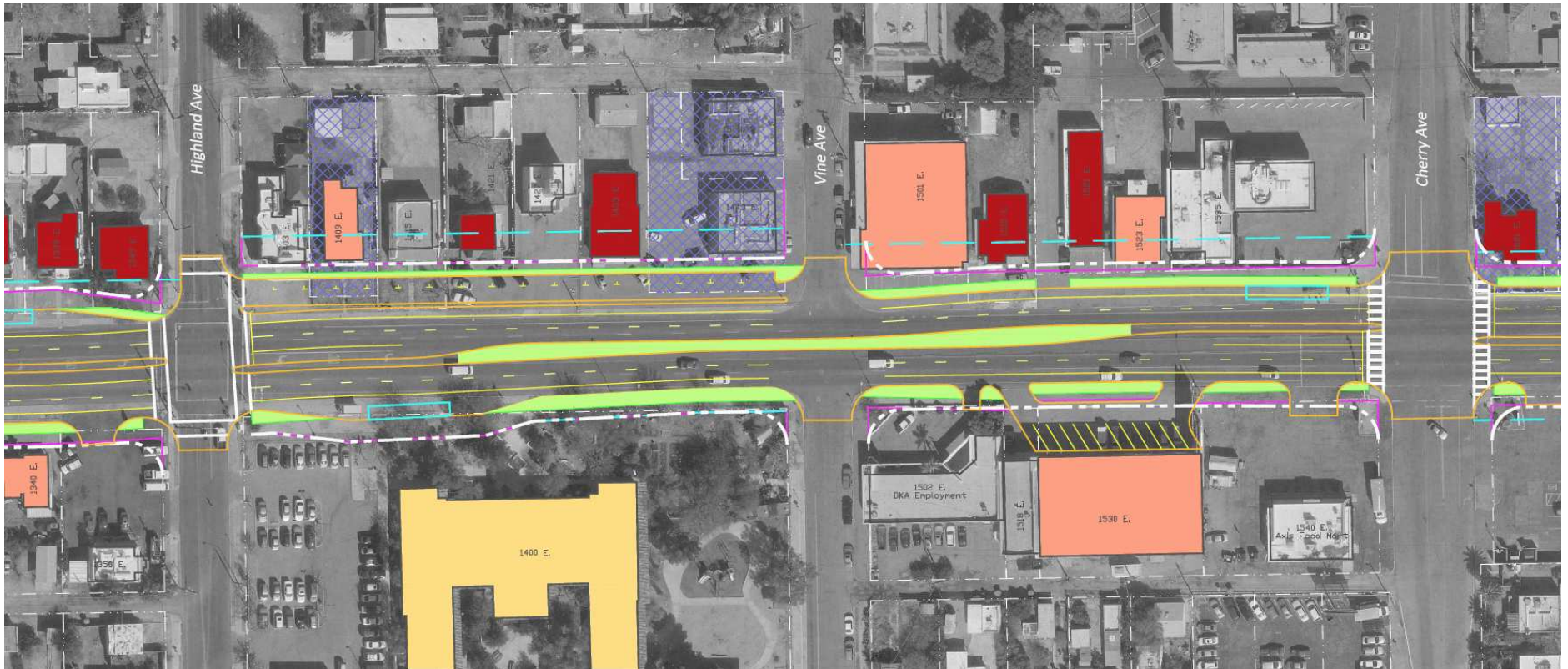
## Alternative

### 150' Right-of-Way





# What the Drawings Show

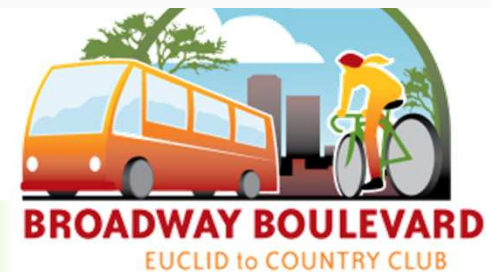
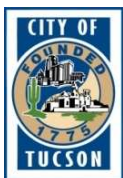


## Historic Status

- Existing district contributor
- Eligible as district contributor
- Individually eligible
- Architecturally significant (future eligible)

## Key

- Back of Sidewalk
- Landscape Area
- Edge of Right-of-Way
- 4+T / 6-Lane Right-of-Way Extends
- Bus Stop
- City-Owned Parcel





# 4-Lane “Minimize Direct Building Impacts”



Minimize Direct Building Impacts)

February 25, 2014



Historic Status

Existing district contributor

Eligible as district contributor

Individually eligible

Architecturally significant (future eligible)

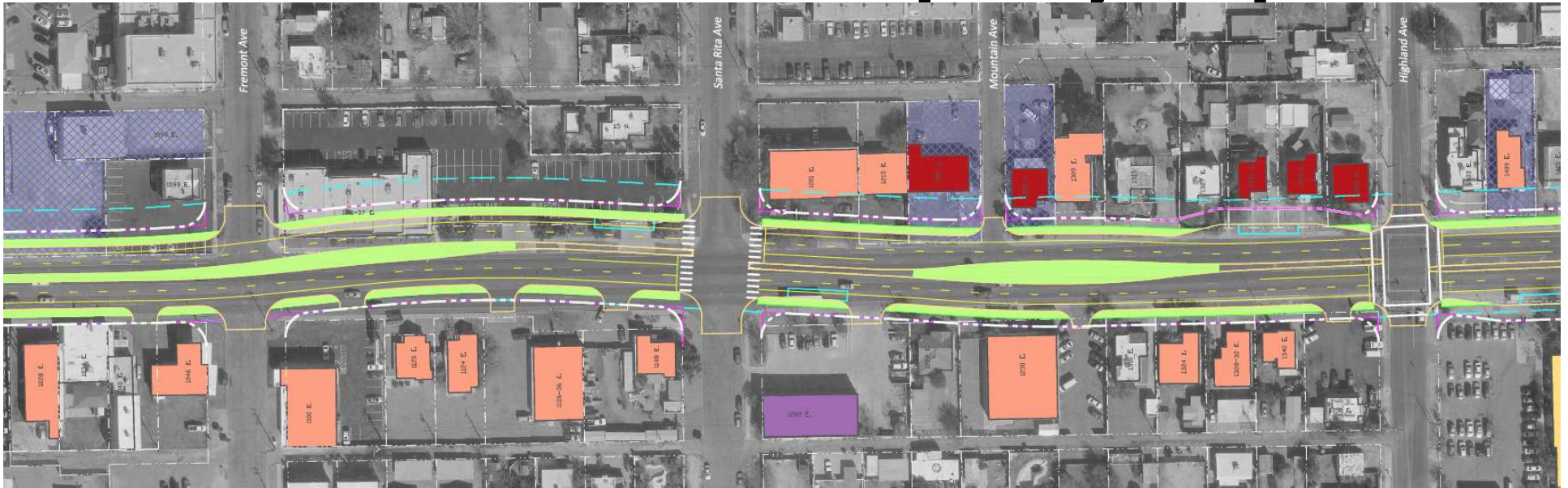
Key

Back of Sides



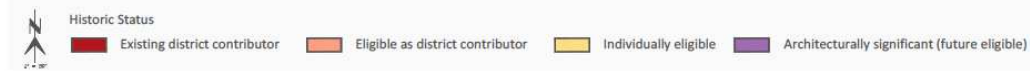


# 4-Lane “Minimize Property Impacts”



e Property Impacts)

February 25, 2014





February 25, 2014



 Existing district contributor

 Eligible as district contributor

 Individually eligible

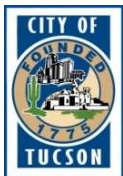
Architecturally significant (future eligible)

— Back of Sidewalk      Landscape A

# Performances Measured

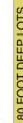
## *Based on Drawings and Studies*

- Transportation Performances, All Modes
- Impacts to Properties
  - Numbers of Historic and Significant Properties
  - Initial (Rough) Acquisition Costs
- Economic Vitality / Economic Potential
  - Size of Remaining Properties
- Environmental Impacts
  - Projected Greenhouse Gas and other Emissions
  - Water Harvesting / Urban Heat Island
- Estimated Project Construction Costs



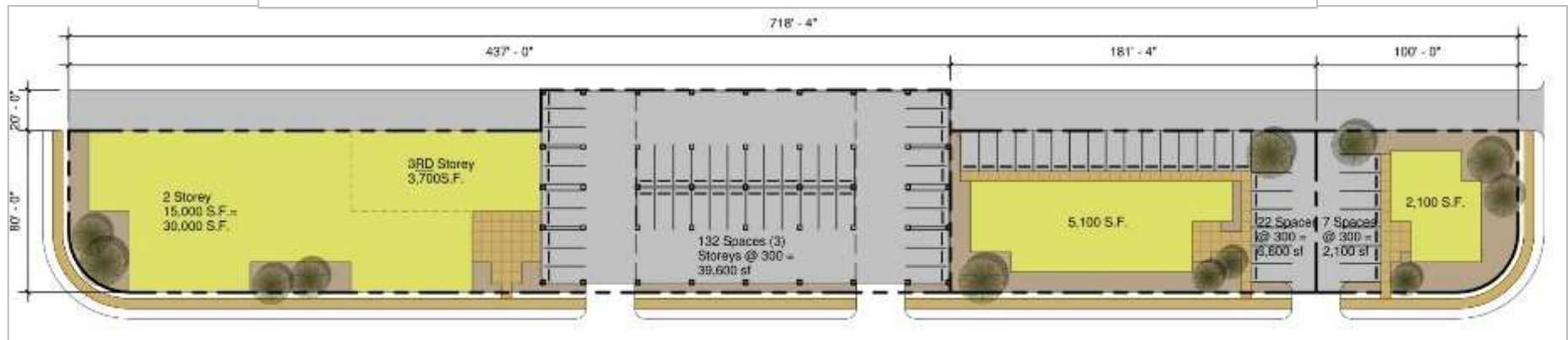
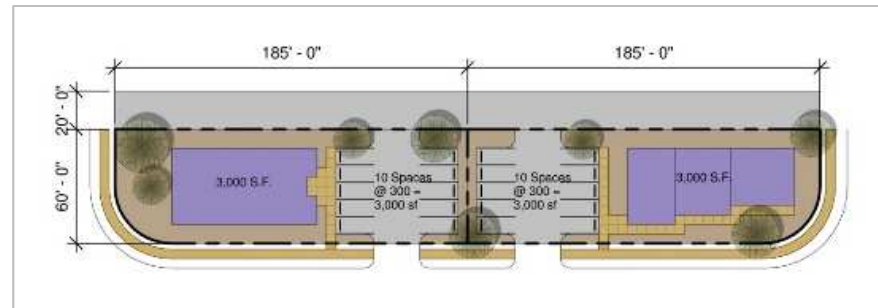


- Tool for examining economic potential along Street Design Concept Alternatives



# Development Diagrams

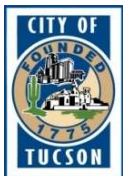
- Theoretical block development diagrams





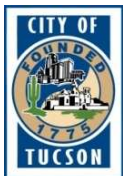
# Project Status Update

- The Broadway Citizens Task Force decisions:
  - Table the 6+2T alternative for now;
  - Focus on refinements to the 4-lane and 6-lane/4+2T alternatives, seeking fewer impacts to properties and acquisitions;
  - Create option vignettes for how to address challenging areas identified by the CTF members;
  - Illustrate possible infrastructure that can be built for transit in the 6-lane alternative; and,
  - Create surveys and/or input opportunities for public on different topics.



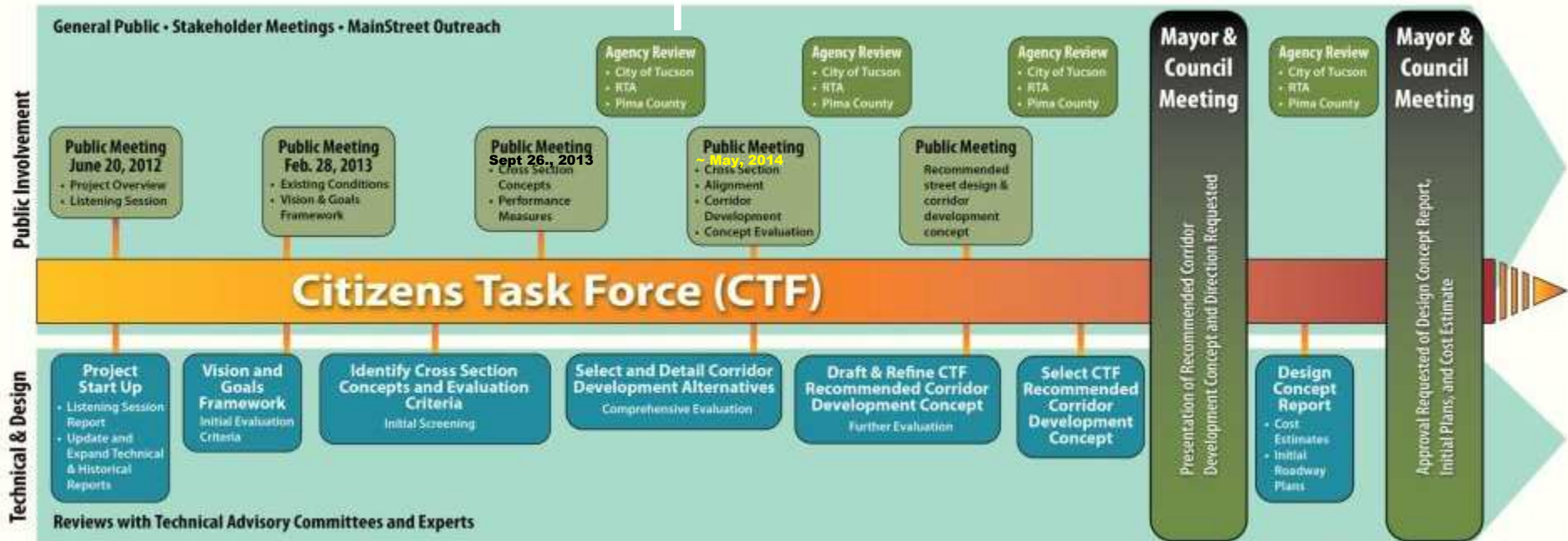
# Project Status Update

- Upcoming Stakeholder Agency Reviews
  - 4/2/2014 Technical Advisory Staff Committee
  - 5/6/2014 Mayor and Council Update
- Preparation for Public Meeting #4
  - 4/30/2014 CTF Meeting
  - Possible Public Meeting at end of May/early June
- Begin Next Set of Project Tasks with CTF: To draft and refine CTF Recommended Corridor Development Concept



# Broadway's Planning & Design Phase

We are  
here



# Stay involved!

## Broadway: Euclid to Country Club

Web: [www.tucsonaz.gov/broadway](http://www.tucsonaz.gov/broadway)

Email: [broadway@tucsonaz.gov](mailto:broadway@tucsonaz.gov)

Info Line: 520.622.0815

## RTA Plan

[www.rtamobility.com](http://www.rtamobility.com)

